

ATTORNEY DOCKET NO. HAR63 015

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Sir:

Transmitted herewith for filing is the Patent Application of

Inventor (s): DENIS BEAULIEU

Title: METHOD AND APPARATUS FOR LOOP DETECTION AND DISSOLUTION  
IN A COMMUNICATION NETWORK

Enclosed are:

- ☒ [X] A Cover Sheet, an Abstract, and Fifteen (15) pages of specification and Claims 1-15.
- ☒ [X] Five (5) sheets of informal drawings showing Figures 1-4, 5a-5b.
- ☐ [ ] A Combined Declaration and Power of Attorney.
- ☒ [X] A check in the amount of \$824.00 to cover the filing fee as calculated below:

NUMBER OF CLAIMS	NUMBER EXTRA	LARGE/SMALL ENTITY	FEE
TOTAL 15 - 20 =	00 x	\$18 OR \$9	= \$00
INDEP. 04 - 03 =	01 x	\$84 OR \$42	= \$84
MULTIPLE DEPENDENT [ ] YES		\$280 OR \$140	= \$00
(\$740.00 OR \$370.00) BASIC FILING FEE = \$740.00		TOTAL FILING FEES = \$824.00	

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or to credit any overpayment to Deposit Account No. 04-1679.

A duplicate of this sheet is enclosed.

Respectfully submitted,



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